SBS75xPR PCB Power and Signal Connector

Anderson Power Products has expanded its SBS75x connector family by introducing a new right angle printed circuit board connector. The SBS75x connector family was created to provide a touch-safe and high power connector with two primary and four auxiliary power positions in a compact and ergonomic design. The addition of the PCB connector expands the SBS75x connector family's capability to include PCB-to-wire and wire-to-wire applications.

The patented dual pole SBS75xPR right angle PCB connector provides two power contacts rated 105 amps and four auxiliary power contacts for applications requiring signal or low power capability up to 20 amps. The male signal contacts on the wire side (standard SBS75x) are available in four lengths when sequencing is required and provide a last mate/first break connection in relation to the power contacts. The SBS75xPR mating interface is touch-safe providing protection to the user by eliminating finger contact with live circuits per UL1977, section 10.2. This feature is required by UL for use in DC systems over 30 volts where the shock can be health threatening.

The SBS75xPR saves space when board real estate is limited by eliminating the need to bring wires to the PCB, giving engineers increased flexibility when designing systems. The connectors' compact power to size ratio also maximizes available PCB real estate. Press fit containers on the housing secure and correctly position the connector to the PCB prior to soldering. The SBS75xPR is manufactured using a durable and safe UL94V-0 rated polycarbonate material and will be sold as a fully assembled connector, saving time and money by eliminating the need for tooling or assembly.

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